

Letter from Alexander Graham Bell to Mabel Hubbard Bell, January 25, 1895, with transcript

The Lost Dauphin.

Sheboygan, Wis., Feb. 13.— *To the Editor.* —I have noticed some articles in The Inter Ocean recently relative to the lost Dauphin and his identity with the late Eleazer Williams, of Green Bay, and I would like to add a bit of information which comes from a member of my own family. About the year 1848 Mr. Williams came to the house of this relative of mine and remained over night, and the next morning took the wrapping papers from a large oil painting and exhibited a fine picture of Louis XVI. All who compared the picture with the man said at once there was a marked resemblance between the two. Mr. Williams was very much excited, and upon being asked about the picture said that the Prince de Joinville had written him a letter which accompanied the picture, saying that it was Louis XVI. Wrapped about the picture were the unbound pages of French books, which, upon being translated, were found to be French laws. Not very long after this Mr. Williams died, and the painting, which he left with our family with implicit directions to show it to no one, neither to deliver it to any one without a written order from him, is still in our possession.

Had we a Bourbon among us? F. T.

LOW RATES SOUTH MARCH 5.

March 5 the Chicago and Eastern Illinois Railroad will sell round trip tickets to various points in Alabama. Georgia. Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, and Virginia, and to parts in Florida west of River Junction at one fare for the round trip. For tickets and information apply to Chicago Ticket Offices, 230 Clark street, Auditorium Annex and Dearborn Station, Polk and Dearborn streets.

Library of Congress

"Coin's Financial School" you ought to read. It will cost you only 30 cents. After you have read it get your neighbor to read it. Everybody ought to read it. See the advertisement in another column.

Chicago Inter-Ocean Feb. 23 – /95

ALEXANDER GRAHAM BELL TO MABEL (Hubbard) BELL Beinn Bhreagh, C. B. Friday, Jan. 25, 1895. Dear Mabel:

The only way to write to you is to cheat myself into the belief that I am making notes in my note-book.

Today conquered a difficulty that has given me considerable trouble. Could not get uniform rotations with low velocities. All my curves show traces of unreliability at lower end. The rheostat, I find is not in the motor circuit at all — but is in the dynamo circuit belonging to the field magnet — are interior — not exterior resistance — so that it varied the power of the dynamo. When I wanted a uniform power — and variable external resistance — I had just the opposite — a uniform external resistance — and variable power. The field magnets of the dynamo not being well charged when much resistance was introduced into their circuit — were variable in power.

We started by charging them well — and then turned rheostat to the point we desired. The magnets would then gradually lose their power. The defect was not in the motors at all — but in the way we used the dynamo.

Today I determined to use high power — and keep rheostat resistance at low figure — so that field magnets of dynamo would remain pretty nearly fully charged.

Our motors of course would not stand the current they would simply burn out. To prevent this I introduced about 190 feet of iron wire into motor circuit so as to increase 2 its resistance. (Wire 1/32 inch diameter "stove-pipe wire")

Library of Congress

The wire was zig-zagged backwards and forwards between tacks nailed to two boards at opposite ends of the laboratory This length of wire introduced into circuit — reduced the speed of motors to a very low point — although the dynamo was well charged — and the rotations produced — though slow — were uniform. By reducing the length of iron wire in circuit — speed could be increased ad lib . up to the burning point. Will give you specimen of difference between best results (with low rotations) attainable yesterday and today. Current was turned on — and five observations were taken successively without stopping.

Yesterday (1) 10 rotations in 34.00 seconds (1) 33 seconds (2) “ “ “ 46.00 “ (2) 46 “ (3) “ “ “ 51.50 “ (3) 53 “ (4) “ “ “ 55.75 “ (4) 58 “ (5) “ “ “ 60.50 “ (5) 62 “ 23.75 26.50 23.75 25.00 30.50 30.00 26.00 31.00 31.50 27.00 33.00 32.50 29.50 41.00 34.00 Today (1) 10 rotations in 34.75 seconds (1) 35.50 seconds (2) “ “ “ 35.00 “ (2) 35.00 “ (3) “ “ “ 34.75 “ (3) 35.00 “ (4) “ “ “ 35.00 “ (4) 35.50 “ (5) “ “ “ 35.00 “ (5) 36.00 “ 44.50 24.00 24.50 27.50 44.75 24.25 24.50 27.75 45.50 24.25 24.00 27.50 45.00 24.25 24.50 27.50 45.25 24.75 24.50 27.25 3

Telegram received from Washington. Glad you have arrived safely. Tell Elsie how much delighted I was to receive her letter. Will answer it Sunday. Too busy just now. As Mr. McCurdy was in town yesterday evening I had to add up my own figures alone. Think I made a pretty hard day's work. Worked continuously excepting for dinner from 2. P. M. till 4 A. M. All right this morning notwithstanding. Mr. McCurdy will give me the evenings for calculation work. Finished for tonight but too tired to write more.

Your loving husband, Alec.